

3/4/02

L1 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2002 ACS  
AN 2002:84071 HCAPLUS  
DN 136:137398  
TI Solid state p-n heterojunction sensitized photovoltaic solar cell with electron and hole conductors  
IN Graetzel, Michael; Plass, Robert; Bach, Udo  
PA Ecole Polytechnique Federale de Lausanne (EPFL), Switz.  
SO Eur. Pat. Appl., 12 pp.  
CODEN: EPXXDW  
DT Patent  
LA English  
IC ICM H01L051-20  
ICS H01G009-20  
CC 52-2 (Electrochemical, Radiational, and Thermal Energy Technology)  
Section cross-reference(s): 74, 76  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 1176646	A1	20020130	EP 2000-810681	20000728 <-- R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO
		US 2002017656	A1	20020214 US 2001-918115 20010730 <--
PRAI	EP 2000-810681	A	20000728 <--	

AB A solid state p-n heterojunction comprises an electron conductor and a hole conductor; it further comprises a sensitizing semiconductor, the sensitizing semiconductor being located at an interface between the electron conductor and the hole conductor. In particular, the sensitizing semiconductor is in form of quantum-dots. A solid state sensitized photovoltaic cell comprises such a layered heterojunction between two electrodes.  
ST solar photovoltaic cell solid state sensitized; electron hole conductor

Jacob, Rebecca (ASRC)

385774

**From:** STIC-ILL  
**Sent:** Monday, March 04, 2002 12:52 PM  
**To:** Jacob, Rebecca (ASRC)  
**Subject:** RE: ILL order

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**From:** Bates, Darcy  
**Sent:** Monday, March 04, 2002 12:13 PM  
**To:** STIC-ILL  
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# 1

Title: CdTe and CdS as Extremely Thin Absorber Material in an eta-solar Cell (eta)

Author(s): Siebentritt, S.; Ernst, K.; Fischer, C.-H.; Koenenkamp, R.

CONFERENCE: European photovoltaic solar energy conference-14th

Source: EUROPEAN PHOTOVOLTAIC SOLAR ENERGY CONFERENCE, 1997; VOL 2 P: 1823-1826

H.S. Stephens &Associates, 1997

ISBN: 1901675035; 1901675027

LANGUAGE: English DOCUMENT TYPE: Conference Papers

CONFERENCE EDITOR(S): Ossenbrink, H. A.; Helm, P.; Ehmann, H.

CONFERENCE LOCATION: Barcelona, Spain

CONFERENCE DATE: Jun 1997 (199706) (199706)

# 2

Title: Transparent p-type Semiconductors for the ETA Solar Cell with Extremely Thin Absorber

Author(s): Rost, C.; Ernst, K.; Siebentritt, S.; Koenenkamp, R.

CONFERENCE: Photovoltaic solar energy conversion-World conference; 2nd P: 212-215

European Commission, 1998

ISBN: 9282851796

LANGUAGE: English DOCUMENT TYPE: Conference Papers

CONFERENCE EDITOR(S): Schmid, J.

CONFERENCE LOCATION: Vienna

CONFERENCE DATE: Jul 1998 (199807) (199807)

Thank you,

*Darcy Bates*

EIC 2800 Technical Information Specialist

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(703)306-5419 Email: STIC-EIC2800

dbates@uspto.gov

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